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From the

INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

PETER J. BUTCH, III SYNNESTVEDT & LECHNER LLP

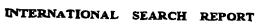
PCT

2600 ARAMARK TOWER 1101 MARKET STREET PHILADELPHIA PA 19107-2950		WRITTEN OPINION (PCT Rule 66)	
		Date of Mailing (day/month/year)	21 MAY 1999
Applicant's or agent's file reference P22,590 PCT		REPLY DUE within TWO months from the above date of mailing	
International application No.	International filing date	(day/month/yeur)	Priority date (day/month/year)
PCT/US98/(B816	10 SEPTEMBER 19	9B	10 SEPTEMBER 1997
International Patent Classification (IPC) or both national classification and IPC IPC(6): CO8G 63/00, 63/02, 67/00, 69/00 and US CI.: 528/176, 193, 271, 272			
Applicant RUTGERS, THE STATE UNIVERSI	TY		-
2. This opinion contains indications relating to the following items:			
examination report must be established according to Rule 69.2 is: 10 JANUARY 2000			

Supraidi-Name and mailing address of the IPEA/US Authorized officer Commissioner of Palents and Trademarks Box K.T Washington, D.C. 20231 TERRESSA MOSLEY Facsimile No. (703) 305-3230 Telephono No. (703) 308-0651

Form PCT/PEA/408 (cover sheet) (January 1994) +





International application No. PCT/US98/18816

A. CLASSIFICATION OF SUBJECT MATTER IPC(6): COSG 63/00, 63/02, 67/00, 69/00 US CL: 528/176, 193, 271, 272 According to International Patent Classification (IPC) or to both national classification and IPC			
B FIELDS SEARCHED	ire) of the both national classification and IPC		
Minimum documentation searched (classification U.S.: 528/176, 193, 271, 272			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE			
Electronic data base consulted during the international scarch (name of data base and, where practicable, search terms used) NONE			
C. DOCUMENTS CONSIDERED TO BE	ELEVANT		
Category Citation of document, with indic	ation, where appropriate, of the relevant passages Relevant to claim No.		
US 5,264,540 A (COOPER abstract, column 5 lines 5-3	ET AL.) 23 November 1993 (23-11-93), 1-40 (5, column 6 lines 5-55		
US 4,997,904 A (DOMB) column 2 Lines 5-55, column	05 March 1991 (05-03-91), abstract, 1-40 nn 4 Line 5-30.		
Further documents are listed in the continu	stion of Box C. See palent family some		
Special ostogories of cited decura cuts: 'A' decurated defining the general state of the art which it is be of particular relevance.	T' later downment published after the international filing date or rejective		
"L" document published on or after the internation "L" document which tary three doubts on priority claim cited to establish the publication date of another of special reason (as specified)	tennicered novel or dishipet be considered to involve an inventive step (a) or which is when the document is taken alone (attion or other		
OP document referring to an orel disclosure, use, ash means	bition or other combined with one or more other such decuments, such combination being obvious to a certain stills in the art		
the priority date claimed them them them the decument member of the same patent family			
Date of the actual completion of the international search Date of mailing of the international search report 14 DECEMBER 1998 14 JAN 1999			
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT	Authorized officer		
Washington, D.C. 20231 Pagsimile No. (703) 305-3230	TERRESSA MOSLEY (Seed of 1/1/1/1/		
**************************************	Telephone No. (703) 308-0651		



International application No

PCT-US98/18816

I. Basis of	the opinion		
1. This opinion invitation to	n has been drawn en Inder Article 14 are	the basis of Substitute sta referred to in this opinion of	ees which have been furnished to the receiving Office in response to an as "originally filed".):
×	the internations	al application as origin	ally filed.
X	the description	pages NONE	, as originally filed. , filed with the demand. , filed with the letter of
X	the claims.	Nos. 140 Nos. NONE	. as originally filed as amended under Article 19 filed with the demand.
		Nos. NONE	, filed with the letter of
<u>x</u>	the drawings,	sheels/Fig NONE	as originally filed. filed with the demand. filed with the letter of
2. The amend	iments have result	ed in the cancellation of	
X	the description,	PagesNONE	
×	the claims,	Nos. NONE	
×	the drawings, s	heets/Fig NONE	
COL	s opinion has bee sidered to go beyon to 70.2(c)).	n established as if (som nd the disclosure as filed,	ne of) the amendments had not been made, since they have been as indicated in the Supplemental Box Additional observations below
4. Additions	al observations, if	necessary:	
	:		·
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International application No.

PCT/US98/18816

٧.	 Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or to citations and explanations supporting such statement 	ndustrial applicability;
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STATEMENT Novelty (N) Claims NONE Claims 1-40 Inventive Stop (IS) Claims NONE YES Claims 1-40 Industrial Applicability (IA) Claims I-40 YES NONE Claims

2. CITATIONS AND EXPLANATIONS

Claims 1-40 lack novelty under PCT Article 33(2) as being anticipated by USP 5,264,540, Kevin Cooper et al. discloses an improved process for preparing an aromatic polyanhydride is disclosed.

The aromatic polyanhydride is prepared by reacting an aromatic

dicarboxylic acid with an anhydride to form an anhydride propolymer isolating and purifying the prepolymer, and subjecting the prepolymer to melt polycondensation conditions. The improvement specifically relates to the purification of the acid so it is essentially free of impurities before it is reacted with the anhydride. The polymers prepared from the improved process have higher molecular weights that the molecular weights achieved from the prior art processes, and exhibit outstanding thermal stability and mechanical properties. This combination of properties allows the aromatic polyanhydrides to be melt processed to prepare numerous devices. In addition, these aromatic polyanhydrides are bioabsorbable, and this attribute in combination with its ability for melt processing makes the polyanhydrides particularly well-suited for the properation of implantable surgical devices such as wound closure devices which are designed to absorb in the body when exposed to moist bodily tissue. Note applicants' comprising is open language and does not exclude those additional moieties etc. disclosed herein. In view of the above, there appears to be no significant difference between the reference and that which is claimed by applicant(s). Any differences not specifically mentioned appear to be conventional. Consequently, the claimed invention cannot be deemed as novel and accordingly is unpatentable.

Claims 1-40 lack novelty under PCT Article 33(2) as being anticipated by USP 4.997,904 Abraham J. Domb.et al.

Domb discloses an aromatic anhydride copolymers containing at least two aromatic diacid units, which are soluble in chloroform or dichloromethane to concentrations between approximately 0.5 to 50% weight/volume, melt at temperatures below 180.degree, C., and have low crystallinity are disclosed. The copolymers may contain (Continued on Supplemental Sheet.)



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Supplemental Box

(To be used when the space in any of the preceding hoxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 10

TIME LIMIT:

The time limit set for response to a Written Opinion may not be extended. 37 CFR 1.484(d). Any response received after the expiration of the time limit set in the Written Opinion will not be considered in preparing the International Preliminary Examination Report.

V. 2. REASONED STATEMENTS - CITATIONS AND EXPLANATIONS (Continued):

between 0 and approximately 30% aliphatic diacid units. All copolymers are insoluble in carbon tetrachloride, i.e., less than 0.1% polymer by weight/volume solvent). The desired properties are the result of adding between 10 and 90% of a second aromatic diacid, to the copolymer composition which introduces irregularity in the polymer chains that dramatically after the polymer properties, decreasing the crystallinity and melting point and increasing the solubility in the common solvents, dichloromethane or chloroform. An additional decrease in Tg and MP, with an increase in flexibility, is obtained by adding small amount of aliphatic diacid, up to about 30%. Note applicants' "comprising" is open language and does not exclude those additional moieties etc. disclosed herein. In view of the above, there appears to be no significant difference between the reference and that which is claimed by applicant(s). Any differences not specifically mentioned appear to be conventional. Consequently, the claimed invention cannot be deemed as novel and accordingly is unpatentable.

Claims 1-40 lack an inventive step under PCT Article 33(3) as being obvious over USP 5,264,540, Kevin Cooper et al. discloses an improved process for preparing an aromatic polyanhydride is disclosed.

The aromatic polyanhydride is prepared by reacting an aromatic

dicarboxylic acid with an anhydride to form an anhydride prepolymer, isolating and purifying the prepolymer, and subjecting the prepolymer to melt polycondensation conditions. The improvement specifically relates to the purification of the acid so it is essentially free of impurities before it is reacted with the anhydride. The polymers prepared from the improved process have higher molecular weights than the molecular weights achieved from the prior art processes, and exhibit outstanding thermal stability and mechanical properties. This combination of properties allows the aromatic polyanhydrides to be melt processed to prepare numerous devices. In addition, these aromatic polyanhydrides are bioabsorbable, and this attribute in combination with its ability for melt processing makes the polyanhydrides particularly well-suited for the preparation of implantable surgical devices such as wound closure devices which are designed to absorb in the body when exposed to moist bodily tissue.

Thus, the reference disclose the claimed invention except for the particular amounts and parameters as claimed. It would

have been obvious to one having ordinary skill in the art at the time the invention was made to employ the particular amounts and/or parameters as claimed, since it is well-established that merely selecting proportions and ranges is not patentable absent a showing of criticality.

Claims 1-40 lack an inventive step under PCT Article 33(3) as being obvious over USP 4,997,904 Abraham J. Domb.et al.

Domb, et al. discloses an aromatic anhydride copolymers containing at least two aromatic diacid units, which are soluble in chloroform or dichloromethane to concentrations between approximately 0.5 to 50% weight/volume, inclt at temperatures below 180.degree. C., and have low crystallinity are disclosed. The copolymers may contain between 0 and approximately 30% aliphatic diacid units. All copolymers are insoluble in carbon detrachloride, i.e., less than 0.1% polymer by weight/volume solvent). The desired properties are the result of adding between 10 and 90% of a second aromatic diacid, to the copolymer composition which introduces irregularity in the polymer chains that dramatically after the polymer properties, decreasing the crystallinity and melting point and increasing the solubility in the common solvents, dichloromethane or chloroform. An additional decrease in Tg and MP, with an increase in flexibility, is obtained by adding small amount of aliphatic diacid, up to about 30%.

Thus, the reference disclose the claimed invention except for the particular amounts and particulars as claimed. It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ the particular amounts and/or parameters as claimed, since it is well-established that merely selecting proportions and ranges is not patentable absent a showing of criticality.

	criteria set out in PCT Article 33(4), since the claimed invention has industrial applicability as a of digestive inflammation when administered orally.
MONE NEW	CITATIONS ————